



# SMA×ECO TOWN Harumidai

PROJECT ENTITY: Daiwa House Industry Co., Ltd.  
LOCATION: Sakai, Osaka

## “ Background and progress

SMA×ECO TOWN Harumidai covers 1.7 hectares in the hills of Semboku New Town, located on the border between Sakai and neighboring Izumi. In 2010, the Sakai municipal government laid out a strategy to revitalize the area, and solicited proposals for eco-friendly development on the former site of

a closed elementary school.

Development of the eco-friendly residential district began in 2013, with the chosen private builder installing energy generation and storage equipment on all 65 single-family homes.

## About the project

All the homes are equipped with solar energy generation systems and domestic lithium-ion batteries, and the management organization has installed solar panels on shared infrastructure such as the roof of the community center. As a result, the entire area's annual primary energy consumption has been reduced to zero, and electricity is also available during post-disaster blackouts. In addition, electric car sharing and energy visualization has been introduced to increase residents' environmental awareness.

The management organization also works on issues including energy management, cityscape, security, and disaster prevention, including operation and energy visualization of the shared solar generation system, storage of food and fuel, and the installation of benches that can be converted into stoves or toilets during disasters.

Sale of solar electricity and electric car sharing provides the management organization with additional income to sustain its activities besides the management fees collected from residents.



The entire district



Typical street in the development



Shared electric vehicle



Solar energy system on shared facility



Neighborhood management association



Disaster preparedness event